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FlySat

Astra 2E/2F/2G @ 28.2° East

[Astra 2E/2F/2G](#) | [Astra 2E](#) | [Astra 2F](#) | [Astra 2G](#) | [Technical Info](#) | [Beam](#) | [HD](#) | [UHD](#) | [3D](#)

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Txp No Source Date	Freq Pol Mode	SR-FEC	Provider Name Channel Name	web FTA Live	V.PID	A.PID Language	SID Encryption ONID-TID	FootPrints EIRP(dBW)	Comments
41 Björn 13.12.2018	10714 H DVB-S/MPEG-2	22000 5/6	Sky UK More 4 Ireland - E4 Ireland +1 Channel 4 Ireland +1	W			VideoGuard 2-2041	2E UK	
			Channel 4 London	W	2315	2316 Eng 2317 Eng	9211		
			Channel 4 South & East	W	2327	2328 Eng	9212		
			Channel 4 Midlands	W	2332	2333 Eng	9213		
			Channel 4 North	W	2337	2338 Eng	9214		
			Channel 4 Northern Ireland	W	2342	2343 Eng	9215		
			Channel 4 Scotland	W	2347	2348 Eng	9216		
			Film 4	W	2353	2354 Eng 2355 Eng	9220		
			More 4 UK +1	W	2367	2368 Eng 2369 Eng	9230		
			E4 UK	W	2372	2374 Eng	9241		
42 DX Süvi 15.11.2018	10729 V DVB-S/MPEG-2							2E UK	Sky UK package left
43 William-1 27.08.2016	10744 H DVB-S2/8PSK MPEG-4							2E UK	BBC Olympics left
44 Chadli_sat 18.09.2015	10758 V DVB-S/MPEG-2	22000 5/6	Freesat	W			2-2044	2E UK	
			ITV London	W	3328	3329 Eng 3330 Eng	10060		
			ITV 2	W	3332	3333 Eng 3334 Eng	10070		
			CITV U.K (07-19)	W	3336	3337 Eng 3338 Eng	10071		
			ITV 4	W	3340	3341 Eng 3342 Eng	10072		
			ITV 4	W	2316	1317 Eng 2318 Eng	10073		
			ITV Be	W	2305	2308 Eng 2309 Eng	10075		
			ITV Granada TV	W	3348	3349 Eng	10080		
			ITV Anglia East	W	3352	3353 Eng	10090		
			ITV Anglia East +1	W	2312	2313 Eng	10091		
			ITV Central West	W	3356	3357 Eng	10100		
			ITV Meridian South East +1	W	2351	2352 Eng	10101		
			Freesat	W			2-2045		
			BBC One London	W	5000	5001 Eng 5002 Eng	6301		
			BBC Two	W	5100	5101 Eng 5102 Eng	6302		

45 Tururu 18.02.2019	10773 H DVB-S/MPEG-2	22000 5/6	BBC Four (19-03)	W	5200	5201 Eng 5202 Eng	6316	2E UK	
			CBeebies UK (06-19)	W	5200	5201 Eng 5202 Eng	6318		
			BBC One West	W	5900	5901 Eng	6341		
			BBC One Cambridge	W	5700	5701 Eng	6351		
			BBC One Channel Islands	W	5800	5801 Eng	6361		
			BBC Red Button 1	W	5400	5401 Eng	6390		
46 J Long 07.09.2015	10788 V DVB-S/MPEG-2	22000 5/6	Freesat	W			2-2046	2E UK	
			BBC One West Midlands	W	5000	5001 Eng	10301		
			BBC One East Yorkshire & Lincolnshire	W	5200	5201 Eng	10303		
			BBC One East Midlands	W	5401	5402 Eng	10305		
			BBC One East Norwich	W	5500	5501 Eng	10306		
			BBC Parliament	W	6100	6101 Eng	10307		
			BBC One Wales	W	5600	5601 Eng	10311		
			BBC Two Wales	W	5700	5701 Eng	10312		
			-R- BBC Radio 3	W		6001 Eng	10380		
			-R- BBC Radio 4 FM	W		6002 Eng	10381		
			-R- BBC Radio 4 LW	W		6003 Eng	10382		
			-R- BBC Radio 6 Music	W		6004 Eng	10383		
			-R- BBC Radio 4 Extra	W		6005 Eng	10384		
			-R- BBC World Service Europe	W		6006 Eng	10385		
			-R- BBC Radio Scotland AM	W		6007 Eng	10386		
			-R- BBC Radio nan Gaidheal	W		6008 Sco	10387		
			-R- BBC Radio Wales FM	W		6009 Eng	10388		
			-R- BBC Radio Cymru	W		6010 We	10389		
			-R- BBC Radio Ulster FM	W		6011 Eng	10390		
			-R- BBC Radio Foyle	W		6012 Eng	10391		
47 William-1 19.02.2019	10803 H DVB-S/MPEG-2	22000 5/6	Freesat	W			2-2047	2E UK	
			BBC One Scotland	W	5000	5001 Eng	6421		
			BBC Scotland	W	5100	5101 Eng	6422		
			BBC Alba	W	5200	5201 Gae	6424		
			BBC One North West	W	5700	5701 Eng	6441		
			BBC One Yorkshire & North Midlands	W	5800	5801 Eng	6451		
			-R- BBC Radio Cymru 2	W		6701 We	6454		
			BBC One South East	W	5900	5901 Eng	6461		
			BBC One NE & Cumbria	W	5600	5601 Eng	6471		
			-R- BBC Radio Five Live	W		6001 Eng	6401		
			-R- BBC Radio 1	W		6201 Eng	6450		
			-R- BBC Radio 2	W		6301 Eng	6452		
			-R- BBC Asian Network	W		6401 Eng	6460		
			-R- BBC Radio Five Live Sports Extra	W		6101 Eng	6464		
			-R- BBC Radio 1 Extra	W		6501 Eng	6466		
			-R- BBC London 94.9 FM	W		6601 Eng	6470		
48 William-1 17.02.2016	10818 V DVB-S/MPEG-2	22000 5/6	Freesat	W			2-2048	2E UK	
			CBBC (08-19)	W	5400	5401 Eng 5402 Eng	10352		
			BBC One South England	W	5200	5201 Eng	10353		
			BBC One South West	W	5300	5301 Eng	10354		
			BBC One Oxford	W	5500	5501 Eng	10356		
			BBC News	W	5100	5101 Eng	10358		
			BBC One Northern Ireland	W	5600	5601 Eng	10361		
			BBC Two Northern Ireland	W	5700	5701 Eng	10362		
49 Björn 10.06.2017	10832 H DVB-S2/8PSK MPEG-4							2E UK	
50 Chadli_sat 31.10.2018	10847 V DVB-S2/8PSK MPEG-4	23000 3/4	Freesat	W			2-2050	2E UK	
			BBC Two Wales HD	W	5700	5701 Eng 6912 MPEG-4/HD			
			BBC Two HD	W	5500	5501 Eng 5502 Eng MPEG-4/HD	6940		
			BBC One HD	W	5400	5401 Eng 5402 Eng MPEG-4/HD	6941		
			BBC One Northern Ireland HD	W	5300	5301 Eng MPEG-4/HD	6943		
			CBBC HD (07-19)	W	5600	5601 Eng MPEG-4/HD	6952		
51 William-1 27.08.2016	10862 H DVB-S2/8PSK MPEG-4							2E UK	BBC Olympics left

52 William-1 07.03.2017	10876 V DVB-S2/8PSK MPEG-4							2E UK	Sky UK package left
53 Chadli_sat 02.12.2014	10891 H DVB-S/MPEG-2	22000 5/6	Sky UK ITV 3	W			VideoGuard 2-2053	2E UK	
			ITV Border	W	3368	3369 Eng	10120		
			ITV Westcountry South West +1	W	2342	2343 Eng	10125		
			ITV Tyne Tees	W	3339	3340 Eng	10130		
			ITV Be +1	W	2305	2308 Eng	10139		
			ITV Meridian South	W	3336	3337 Eng	10140		
			ITV Central West +1	W	2358	2359 Eng	10145		
			ITV Meridian South East	W	3344	3345 Eng	10150		
			ITV London +1	W	2362	2363 Eng	10155		
			ITV Yorkshire West	W	3348	3349 Eng	10160		
ITV 2 +1	W	3352	3353 Eng 3354 Eng	10165					
54 David L 26.03.2019	10906 V DVB-S/MPEG-2	22000 5/6	Sky UK	W			2-2054	2E UK	
			Channel TV	W	3328	3329 Eng	10200		
			Scottish TV North	W	3332	3333 Eng	10210		
			Scottish TV West	W	3336	3337 Eng	10220		
			Scottish TV East	W	3340	3341 Eng	10221		
			Scottish TV East +1	W	2374	2318 Eng 2378 Eng	10225		
			Ulster TV	W	3344	3345 Eng	10230		
			Ulster TV +1	W	2318	2312 Eng	10231		
			ITV Westcountry South West	W	2308	2305 Eng	10240		
			Scottish TV Tayside	W	2379	2380 Eng	10255		
			ITV 3	W	3348	3349 Eng	10260		
			ITV 3 +1 (19-07)	W	3352	3353 Eng 3354 Eng	10261		
			R- Talk Sport	W		3355 Eng	10238		
55 Chadli_sat 23.04.2014	10921 H DVB-S/MPEG-2						2E UK	Sky UK package left	
56 Björn 13.12.2018	10936 V DVB-S/MPEG-2	22000 5/6	Sky UK E4 Ireland - Film 4 Ireland Channel 4 Ireland	W			VideoGuard 2-2042	2E UK	
			E4 UK +1	W	2347	2348 Eng 2349 Eng	8300		
			E4 UK	W	2305	2306 Eng 2307 Eng	8305		
			Channel 4 London +1	W	2316	2317 Eng 2318 Eng	8311		
			Channel 4 South & East +1	W	2322	2323 Eng	8312		
			Channel 4 North +1	W	2332	2333 Eng	8314		
			Channel 4 Scotland +1	W	2342	2343 Eng	8316		
			More 4 UK	W	2359	2360 Eng 2361 Eng	8340		
			Film 4 UK +1	W	2354	2356 Eng	8341		
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57 Tururu 13.02.2018	10964 H DVB-S/MPEG-2 DVB-S/MPEG-4	22000 5/6	Freesat	W			2-2057	2G UK	
			Channel 5	W	2346	2347 Eng	7701		
			5 USA	W	2325	2326 Eng	7710		
			5 USA +1	W	2333	2334 Eng	7711		
			5 star	W	2329	2330 Eng	7715		
			5Select	W	2337	2338 Eng	7716		
			5 star +1	W	2341	2342 Eng	7717		
			Channel 5 +1 (Region 1)	W	2321	2322 Eng	7720		
			Spike UK	W	2360	2361 Eng	7730		
			Spike UK +1	W	2354	2355 Eng	7731		
						2306 Eng	7750		
Channel 5 HD	W	2305	2307 Eng	MPEG-4/HD					
59 Butacas 01.06.2019	10994 H DVB-S/MPEG-2	22000 5/6	Sky UK	W			2-2036	2G UK	
			ITV Meridian North	W	3332	3333 Eng	12101		
			ITV +1 Tyne Tees	W	2309	2306 Eng	12105		
			ITV Anglia TV West	W	3336	3337 Eng	12110		
			ITV Yorkshire East	W	3340	3341 Eng	12120		
			ITV Border Scotland	W	2321	2322 Eng	12130		
			ITV Central East	W	2310	2311 Eng	12145		

			ITV Wales	W	2340	2341 Eng	12150		
			ITV Wales +1	W	2345	2346 Eng	12155		
			ITV Yorkshire TV East +1	W	2330	2372 Eng	12165		
			ITV	W	2320	2332 Eng			
			ITV +1	W	2325	2326 Eng			
61 William-1 19.02.2019	11023 H DVB-S2/8PSK MPEG-4	23000 3/4	Freesat	W			2-2061	2G UK	BBC Scotland HD on
			BBC One HD Scotland	W	5100	5101 Eng	8901 MPEG-4/HD		
			BBC One HD Wales	W	5200	5201 Eng	8911 MPEG-4/HD		
			BBC News HD	W	5000	5001 Eng	8921 MPEG-4/HD		
			BBC Scotland HD	W	2307	2309 Eng	8924 MPEG-4/HD		
			BBC Four HD (19-03)	W	5300	5301 Eng 5302 Eng	8931 MPEG-4/HD		
			CBeebies UK HD (06-19)	W	5300	5301 Eng 5302 Eng	8932 MPEG-4/HD		
62 Hendrik 21.01.2019	11038 V DVB-S/MPEG-2	22000 5/6	Sky UK Investigation Discovery UK Animal Planet Europe +1 Discovery Science Channel UK +1 TLC Ireland - TLC UK +1 Investigation Discovery UK +1 Investigation Discovery Ireland Discovery History +1 - Discovery Shed Discovery Home & Health UK Discovery Home & Health UK +1 Discovery Turbo UK +1 Discovery Channel Ireland Discovery Channel UK +1	W			VideoGuard 2-2062	2G Europe	
KooLy 31.03.2019	11038 V DVB-S2/8PSK	3333 3/4	MX1 feed					2E MiddleEast	
KooLy 07.02.2019	11045 H DVB-S2/32APSK ACM	17138 3/4	Data					2E MiddleEast	
63 Satmaat 15.09.2016	11053 H DVB-S2/8PSK MPEG-4	23000 3/4	Sky UK ITV 2 HD	W			VideoGuard 2-2063	2G UK	
			ITV Wales HD	W	2320	2321 Eng 2322 Eng	20730 MPEG-4/HD		
			ITV Granada HD	W	2330	2331 Eng 2332 Eng	20740 MPEG-4/HD		
			ITV Tyne Tees	W	2318	2315 Eng 2317 Eng	20750 MPEG-4/HD		
KooLy 18.11.2019	11060 H DVB-S2 ACM	6855 Auto	Data					2E MiddleEast	
64 Chadli_sat 09.03.2019	11068 V DVB-S2/8PSK MPEG-4	23000 3/4	Sky UK ITV 3 HD	W			VideoGuard 2-2064	2G UK	
			ITV Border UK HD	W	2310	2311 Eng 2317 Eng	MPEG-4/HD		
			STV West HD	W	2305	2306 Eng 2307 Eng	20800 MPEG-4/HD		
			Ulster TV HD	W	2312	2313 Eng 2314 Eng	20810 MPEG-4/HD		
			ITV Anglia East HD	W	2325	2326 Eng 2327 Eng	20840 MPEG-4/HD		
KooLy 23.02.2019	11071 V DVB-S2/QPSK ACM	2095 2/3	Data					2E MiddleEast	
65 Hendrik 30.09.2019	11082 H DVB-S/MPEG-2	22000 5/6	Sky UK	W			2-2065	2G Europe	
			KTV India	W F	2346	2347 Eng	50300		
			Showcase	W	2305	2306 Eng	50305		
			Jewellery Maker	W	2334	2335 Eng	50310		
			CNN International Europe	W	2309	2312 Eng	50316		
			Ahlulbayt TV	W F	2338	2339 Ara	50325		
			Spotlight TV	W	2330	2331 Eng	50331		
			Sikh Channel	W	2307	2308 Eng	50335		
			Hillsong Channel	W	2336	2337 Eng	50345		
			Blaze		2310	2111 Eng	50350		
			Inspirational TV	W	2315	2316 Eng	50390		
			Al Jazeera English	W F	2317	2318 Eng	50395		
708 Matie Yendu 26.09.2018	11095 V DVB-S2/8PSK MPEG-4	30000 5/6						2G West Africa	
			Afriwood Blockbuster			Eng			
			Natural TV		49	34 Eng	55304		
			Star 21 TV	W F	66	67 Fre	55305		
			Premier Bet 1	W	540	539	55310		
			Premier Bet 2	W	560	559	55311		
			France 24 English	W F	606	626 Eng	55320		
			True African	W	1311	1312 Eng	55383		
			Afriwood Series		1343	1344 Eng	55384		
			Fight TV		1375	1376 Eng	55385		
			Life TV		1407	1408 Eng	55386		
			Fresh TV		1439	1440 Eng	55387		
			Kiddiwinks		1471	1472	55388		
			Gospel Life TV		1503	1504 Eng	55389		
			LOI		1535	1536 Eng	55390		

			COL Sports Connect Pulse TV Romanza+ Africa LimeLight TV	 W 	 1567 1599 1631 1663	 1568 Eng 1600 Eng 1632 Eng 1664 Eng	 55391 55392 55393 55394		
66 Satmaat 13.09.2016	11097 V DVB-S2/8PSK MPEG-4	23000 3/4	Sky UK ITV 3 HD - ITV 4 HD ITV London HD ITV Meridian South East HD ITV Central West HD ITV Yorkshire West HD	W W W W W	 2305 2315 2320 2310	 2306 Eng 2307 Eng 2316 Eng 2317 Eng 2321 Eng 2322 Eng 2311 Eng 2312 Eng	VideoGuard 2-2066 MPEG-4/HD 21000 MPEG-4/HD 21020 MPEG-4/HD 21030 MPEG-4/HD 21040 MPEG-4/HD	2G UK	
67 William-1 Hendrik Björn Tururu 14.08.2019	11112 H DVB-S/MPEG-2	22000 5/6	Sky UK Arise News Geo News International Gems TV Islam Channel Studio 66 TV 2 Studio 66 TV 3 Faith UK High Street TV 3 Brit Asia TV ARY Family Sanskar TV Dunya News MATV National New Vision TV (ARY World) Islam Channel Iqra Bangla Iqra TV	W W F W F W W F W W W F W F W F W F W F W F W F	 2605 2341 2318 2313 2309 2311 2322 2316 2320 2330 2343 2305 2362 2326 2325 2328 2332	 2606 Eng 2340 Urd 2319 Eng 2314 Ara 2610 Eng 2312 Eng 2323 Eng 2317 Eng 2321 Eng 2331 Eng 2342 Hin 2315 Urd 2363 Eng 2327 Eng 2324 Ara 2329 Ben 2333 Ara	2-2067 50400 50405 50411 50415 50440 50445 50450 50456 50460 50470 50475 50490 50495 50497 52021 52023 52202	2G Europe	
68 D.Shimoni 17.06.2015	11127 V DVB-S/QPSK	22000 5/6	Sky UK Channel 4 HD 4Seven	W W W	 2305 2316	 2306 Eng 2307 Eng 2317 Eng	2-2068 21200 MPEG-4/HD 21250	2G UK	
KooLy 14.03.2019	11131 H DVB-S2X/8PSK ACM	8425 25/36	Data					2E MiddleEast	
KooLy 14.03.2019	11139 H DVB-S2/8PSK ACM	5202 2/3	Data					2E MiddleEast	
69 Hendrik 02.09.2019	11141 H DVB-S/MPEG-2	22000 5/6	Sky UK Comedy Central UK +1 - Comedy Central Ireland NickToons Ireland - Nickelodeon UK +1 Comedy Extra Ireland - Comedy Extra UK +1 Nick Jr Ireland - Nick Jr Too UK Nick Jr UK +1 - Nickelodeon Ireland Nick Jr Too Ireland - Comedy Central UK BET UK	 W W	 2301	 2302 Eng	VideoGuard 2-2069 51081	2G Europe	
KooLy 18.11.2019	11158 H DVB-S2/QPSK ACM	3641 1/4	Data					2E MiddleEast	
71 Hendrik Tururu 18.07.2019	11171 H DVB-S/MPEG-2 DVB-S/MPEG-4	22000 5/6	Sky UK Cartoon Network UK - TCM UK Cartoon Network UK +1 - TCM UK +1 Boomerang UK - Boomerang UK +1 Cartoonito UK - Racing UK Smithsonian HD A1TV -R- NewsTalk	 W W W	 2316 2309 2331 Eng	 2317 Eng 2315 Eng 2331 Eng	VideoGuard 2-2071 51110 MPEG-4/HD 51117 51114	2G Europe	
KooLy 07.02.2019	11177 H DVB-S2X/8PSK ACM/VCM	3240 23/36	Data					2E MiddleEast	
KooLy 14.03.2019	11180 H DVB-S2X/8PSK ACM	3240 23/36	Data					2E MiddleEast	
KooLy 07.02.2019	11183 H DVB-S2X/8PSK ACM/VCM	2865 25/36	Data					2E MiddleEast	
KooLy 31.03.2019	11187 H DVB-S2X/8PSK ACM	2865 25/36	Data					2E MiddleEast	
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105 Hendrik 21.02.2019	11224 H DVB-S/MPEG-2							2G Europe	Sky UK package
106 Hendrik Satmaat 11.02.2019	11225 V DVB-S2/8PSK MPEG-4	23000 2/3	Sky UK NHK World Japan HD RT News HD Arirang World HD CGTN HD	W W F W F W F W F	 2315 2348 2309 2305	 2316 Eng 2317 Eng 2349 Eng 2311 Eng 2306 Eng	2-2106 53147 MPEG-4/HD 53148 MPEG-4/HD 53150 MPEG-4/HD 53151 MPEG-4/HD	2G Europe	

							MPEG-4/HD		
107 M.Can 01.11.2019	11264 H DVB-S/MPEG-2	27500 2/3	Sky UK NickToons UK - Nick Junior UK Nickelodeon UK - 4Music	W			VideoGuard 2-2107	2G Europe	BoXmas on Box Upfront left
			Magic UK	W	2309	2310 Eng	7207		
			The Box UK	W	2312	2314 Eng	7208		
			Box Hits	W	2334	2333 Eng	7209		
			BoXmas	W	2338	2336 Eng	7210		
			Kiss	W	2315	2316 Eng	7211		
			Kerrang!	W	2340	2339 Eng	7212		
108 Hendrik 20.11.2019	11265 V DVB-S/MPEG-2	27500 2/3	Sky UK	W			2-2108	2G Europe	Peace TV UK Peace TV Urdu left
			Phoenix CNE	W F	2315	2316 Eng 2314 Chi	52118		
			Islam Channel Urdu	W F	2310	2311 Urd	52119		
			MTA International	W F	2354	2355 Org 2356 Urd 2357 Eng 2358 Fre 2359 Ger 2360 Ara 2361 Ben	52123		
			TBN UK	W F	2363	2364 Eng	52124		
			Smithsonian Channel	W	2309	2312 Eng	52126		
			Revelation TV	W	2313	2314 Eng	52127		
			EWTN UK & Ireland	W	2341	2342 Eng	52136		
			-R- EWTN Radio Europe	W		2343 Eng	52137		
109 Björn Tururu 29.08.2019	11306 H DVB-S/MPEG-2	27500 5/6	test carrier					2F UK	Sky UK package left
110 Björn 29.11.2019	11307 V DVB-S/MPEG-2	27500 5/6	Sky UK	W			2-2110	2F UK	Sony Crime Channel UK +1 again left
			Sony Action	W	2306	2307 Eng	53310		
			Sony Movie Channel UK	W	2349	2350 Eng	53315		
			Sony Christmas	W	2313	2314 Eng	53320		
			Sony Xmas +1	W	2317	2318 Eng	53325		
			Tiny Pop	W	2321	2322 Eng	53330		
			Pop!	W	2315	2316 Eng	53340		
			Tiny Pop +1	W	2335	2336 Eng	53345		
			Pop Max	W	2337	2338 Eng	53351		
			Sony Movie Channel UK +1	W	2352	2353 Eng	53355		
			Pop Max +1	W	2333	2334 Eng	53360		
			Wedding TV Asia (04-06)	W	2333	2334 Eng	53360		
			Sony Action +1	W	2319	2320 Eng	53365		
			Pop! +1 (04-02)	W	2339	2340 Eng	53371		
			True Entertainment +1 (02-04)	W	2339	2340 Eng	53371		
			Sony Channel UK	W	2341	2342 Eng	53375		
			Sony Channel UK +1	W	2344	2345 Eng	53380		
			Sony Crime Channel UK	W	2308	2311 Eng	53385		
111 M.Can 01.11.2019	11344 H DVB-S/MPEG-2	27500 5/6	Sky UK BT Sport Extra - BoxNation - Home +1 BT Sport Extra 2/3/4/5/6 - BT Sport 2	W			VideoGuard 2-2111	2F UK	Trace Urban UK Trace Latina Trace Vault on Chart Show TV Chart Show Hits The Vault left
			Trace Urban UK	W F	2307	2308 Eng	53201		
			Trace Latina	W F	2305	2306 Eng	53211		
			Trace Vault	W F	2336	2335 Eng	53217		
			Home	W	2346	2348 Eng 2349 Eng	53221		
			Really UK	W	2309	2323 Eng 2324 Eng	53225		
			Really Ireland	W	2342	2343 Eng 2344 Eng	53235		
			PBS America	W	2337	2338 Eng	53270		
			Paramount Network	W	2329	2330 Eng 2331 Eng	53290		
			Sky UK BT Sport 1 - AMC from BT BT Sport 2 - BT Sport Extra	W			VideoGuard 2-2112		

112 Björn 29.09.2019	11344 V DVB-S/MPEG-2	27500 5/6	BT Sport 3 - BT Sport Extra BT Sport Mosaic				2-2315	2F UK	YourTV left
			CBS Drama UK	W	3080	3081 Eng	50903		
			CBS Justice Ireland	W	2318	2319 Eng	55201		
			Horror Channel UK	W	2307	2308 Eng	55202		
			CBS Justice	W	2644	2645 Eng	55209		
			Starz	W	2353	2354 Eng	55213		
			CBS Reality UK	W	2650	2651 Eng	55214		
			CBS Reality Ireland	W	2351	2350 Eng	55216		
			CBS Reality UK +1	W	2312	2313 Eng	55217		
			Horror Channel UK +1	W	2314	2315 Eng	55218		
S4C	W	2360	2361 Wel	55295					
113 Tururu 11.07.2019	11386 H DVB-S2/QPSK MPEG-4	29500 8/9	Sky UK BT Sport 2 HD - PPV UK HD BT Sport ESPN UK HD	W			VideoGuard 2-2113	2E UK	PPV UK on BT Sport Box Office HD left
114 M.Can 09.07.2019	11386 V DVB-S2/QPSK MPEG-4	29500 8/9	Sky UK BT Sport 1 HD - BT Sport 3 HD AMC from BT HD	W			VideoGuard 2-2114	2E UK	new FEC
115 J Long 06.09.2016	11426 H DVB-S/MPEG-2	27500 2/3	Freesat	W			2-2315	2E UK	
			TRP 1		6001	6002 Eng	10600 Conax		
			-R- Freesat Info			3603 Eng	10530		
116 Tururu William-1 Björn 22.08.2019	11426 V DVB-S2/QPSK MPEG-2 MPEG-4	29500 8/9	Sky UK Crime + Investigation UK +1	W			VideoGuard 2-2116	2E UK	S4C HD on Tururu 22.08.2019 new SR/FEC new mode William-1 21.08.2019 Starz Gems TV left Björn 20.08.2019
			France 24 English HD	W F	2335	2336 Eng	52560 MPEG-4/HD		
			S4C HD	W	2340	2341 Eng 2342 Wel	52565 MPEG-4/HD		
			FreeSport HD	W	2313	2314 Eng	52575 MPEG-4/HD		
			Quest HD	W	2305	2306 Eng 2309 Eng	52580 MPEG-4/HD		
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89 Hendrik 18.11.2019	11464 H DVB-S/MPEG-2	22000 5/6	Sky UK News18 - Ad*It Channel - X** Amateurs X** Big & Bouncy - X** College - X** Girl Girl X** College	W			VideoGuard 2-2089	2G Europe	AIT Int UK left
			Fame TV		2312	2313 Eng	54211		
			Samaa TV	W F	2323	2322 Urd	54212		
			NTV Bangladesh	W	2358	2359 Ben	54221		
			BEN	W	2348	2349 Eng	54223		
			EuroNews UK	W F	2310	2311 Eng	54224		
			British Muslim TV	W F	2335	2336 Eng	54225		
			TV One	W F	2307	2308 Eng	54226		
			CruiseDeals TV	W F	2305	2306 Ara	54228		
			ABN TV	W	2318	2319 Eng	54229		
			Primal Living	W F	2320	2324 Eng	54230		
90 Hendrik 07.11.2019	11479 V DVB-S/MPEG-2	22000 5/6	Sky UK London Live - Bab*s & Br*zz*rs - X** Mums B4U Movies UK - B4U Music UK - Climax 3.1	W			VideoGuard 2-2090	2G Europe	
			TRT World	W F	2323	2324 Eng	50881		
			CNBC UK	W	2362	2363 Eng	50882		
			PTV Global UK & Europe	W F	2325	2326 Urd	50883		
			Venus TV	W	2321	2322 Eng	50884		
			Hidayat TV	W	2305	2306 Eng	50885		
			Madani Channel	W F	2342	2343 Eng	50887		
			Voxafrica UK	W	2315	2316 Eng	50888		
			CGTN	W F	2317	2320 Eng	50889		
			Retro Movies		2327	2328 Eng	50891		
			TVC News	W F	2339	2340 Eng	50895		
91 Hendrik 16.04.2019	11494 H DVB-S/MPEG-2	22000 5/6	Sky UK	W			2-2091	2G Europe	Insight HD left
			QVC Extra	W	2307	2308 Eng	22301		
			QVC Style	W	2305	2306 Eng	22302		
			QVC Beauty	W	2309	2310 Eng	22303		
			QVC UK	W	2313	2314 Eng	22304		
92 Hendrik Tururu 08.07.2018	11509 V DVB-S2/8PSK MPEG-4	23000 2/3	Sky UK Racing UK HD - eir Sport 1 HD	W			VideoGuard 2-2092	2G Europe	MUTV HD left
			TRT World HD	W F	2320	2321 Eng 2322 Eng	55273 MPEG-4/HD		
93 Hendrik 06.12.2019	11523 H DVB-S/MPEG-2	22000 5/6	Sky UK W Ireland Alibi UK +1 - Yesterday +1 - GOLD Ireland (UK)	W			VideoGuard 2-2093	2G Europe	Dave Dave ja vu Alibi

			Channel 2 - Frequency 2 - UCB Ireland (UK)						tert
94 Hendrik 25.11.2019	11538 V DVB-S/MPEG-2	22000 5/6	Sky UK Made in Bham - Made in L'Pool Made in Tyne & Wear - Made In Leeds Made In Cardiff - Made In Bristol - B4U Plus	W			VideoGuard 2-2094	2G Europe	Liberty Radio left
			ATN Bangla UK	W F	2305	2306 Ben	22601		
			Channel S Bangladesh	W	2344	2345 Ben	22602		
			Ahlebaït TV	W	2309	2310 Eng	22603		
			Xpanded TV 2		2311	2312 Eng	22604		
			Hum TV Europe	W F	2313	2314 Urd	22605		
			Talking Pictures	W F	2316	2315 Eng	22606		
			Faith World TV	W	2324	2323 Eng	22607		
			KICC TV	W	2317	2318 Eng	22608		
			Xpanded TV		2319	2320 Eng	22609		
			The Word Network	W	2342	2343 Eng	22610		
			92 News	W F	2321	2322 Eng	22615		
			iON TV		2333	2334 Eng	22616		
			Pavers Shoes TV	W	2330	2331 Eng	22619		
			UK 44	W F	2335	2336 Eng	22620		
			-R- WRN English Europe	W		2339 Eng	22651		
			-R- Desi Radio	W		2329 Eng	22653		
			-R- GN Radio			2338 Eng	22659		
Kooly 07.02.2019	11549 H DVB-S2/Auto ACM	23930 Auto	Data					2E MiddleEast	
95 Hendrik 27.11.2019	11553 H DVB-S/MPEG-2	22000 5/6	Sky UK	W			2-2095	2G Europe	Live 360 on
			Sewing Quarter	W	2342	2343 Eng	9531		
			Sangat TV	W	2330	2331	9536		
			Hochanda	W	2332	2333 Eng	9537		
			High Street TV 2	W	2352	2353 Eng	55102		
			GoodNews TV	W	2326	2327 Eng	55103		
			High Street TV 4	W	2338	2339 Eng	55104		
			Yanga! TV	W	2305	2308 Eng	55105		
			PTV Prime		2314	2315	55108		
			Noor TV UK	W F	2355	2356 Urd	55109		
			Clubland TV	W	2557	2558 Eng	55113		
			Now 90s	W	2560	2561 Eng	55114		
			Geo Kahani	W F	2563	2564 Eng	55115		
			NDTV 24x7	W F	2360	2361 Eng	55116		
			My Channel	W F	2306	2307 Eng	55118		
			ROK +1		2317	2319 Eng	55150		
			Live 360		2328	2329 Eng	55180		
			-R- Capital XTRA			2320 Eng	9549		
			-R- XFM 104.9	W		2316 Eng	9559		
			-R- Capital FM	W		2318 Eng	9560		
			-R- Gold			2310 Eng	9561		
			-R- Radio Khushkhabri	W		2336 Eng	9563		
			-R- Classic FM UK	W		2344 Eng	9570		
			-R- Planet Rock UK	W		2345 Eng	9575		
			-R- UCB Ireland	W		2309 Eng	55128		
			-R- Smooth Radio London	W		2312 Eng	55132		
			-R- Heart Dance			2311 Eng	55133		
			-R- Hits Radio	W		2313 Eng	55134		
			-R- Virgin Radio UK	W		2323 Eng	55135		
			-R- TWR UK	W		2322 Eng	55136		
			-R- Jazz FM	W		2314 Eng	55137		
			-R- Scala Radio	W		2323 Eng	55138		
			-R- Heart 90s	W		2325 Eng	55139		
96 Hendrik 15.08.2019	11568 V DVB-S/MPEG-2	22000 5/6	Sky UK SET Asia - Sony Max 2 Sony SAB TV India	W			VideoGuard 2-2096	2G Europe	Republic Bharat on
			Dunamis TV	W F	2307	2313 Eng	54102		
			High Street TV 5	W	2318	2319 Eng	54103		
			Best Direct UK	W	2321	2322 Eng	54112		
			God TV UK	W	2308	2309 Eng	54113		
			RT English	W F	2356	2357 Eng	54115		
			Travelxp	W	2326	2327 Eng	54125		
			Horse & Country TV	W	2341	2342 Eng	54140		
			Republic Bharat	W F	2320	2323 Eng	54146		
			JML Direct	W	2337	2338 Eng	54150		
			Aaj Tak UK	W F	2314	2315 Eng	54165		
			ABP News UK	W F	2353	2354 Eng	54167		
			ROK	W	2324	2325 Eng	54171		
			High Street TV 1	W	2344	2345 Eng	54175		

			TV Warehouse		2330	2331 Eng	54180		
			Geo UK	W F	2311	2312 Urd	54185		
97 Hendrik 21.11.2019	11582 H DVB-S/MPEG-2	22000 5/6	Sky UK Star Plus UK - Sony Max UK - Star Gold UK Star Bharat UK - Colors Rishtey Colors - Colors Cineplex	W			VideoGuard 2-2097	2G Europe	NOW 80s on Total Country left
			Foodxp	W	2319	2318 Eng	52104		
			Kanshi TV	W	2312	2333 Eng	52106		
			NOW 80s		707	607 Eng	52107		
			Front Runner	W	2303	2304 Eng	52111		
			Babenation		2368	2369 Eng	52112		
			Eman Channel	W	2365	2366 Eng	52140		
			Safeer TV UK	W F	2348	2349 Eng	52170		
			-R- Panjab Radio	W		2308 Pan	52132		
			-R- Sukh Sagar	W		2310 Eng	52133		
			-R- BFBS Radio One	W		2335 Eng	52190		
			-R- LBC 97.3	W		2343 Eng	52191		
			-R- Heart 106.2 FM	W		2337 Eng	52192		
			-R- Heart 80s			2336 Eng	52193		
			-R- Kiss 100	W		2309 Eng	52194		
			-R- Magic 105.4 FM	W		2311 Eng	52195		
			-R- Absolute Radio	W		2334 Eng	52196		
			-R- Absolute 80s	W		2328 Eng	52197		
			-R- Absolute Radio 90s	W		2320 Eng	52198		
			-R- Absolute Classic Rock	W		2324 Eng	52200		
520 Chadli_sat 17.04.2019	11595 V DVB-S2/QPSK MPEG-4	30000 5/6	WAP					2F West Africa	
			Rejoice TV	W F	1791	1792 Eng	55000		
			MoH TV	F	511	512 Eng	55001		
			Atinka TV	W F	767	768 Eng	55002		
			MTA Africa	W F	1023	1024 Eng	55003		
			Powerline TV		1279	1280 Eng	55004		
			Lion TV		255	256 Eng	55006		
			Paradise TV		2047	2048 Eng	55007		
			Chief TV		2559	2560 Eng	55009		
			Ice TV Ghana	F	2815	2816 Eng	55010		
			ATV (Amansan TV)	W F	3071	3072 Eng	55011		
			Yes TV Ghana	F	3327	3328 Eng	55012		
			Philico TV		3583	3584 Eng	55013		
			Prophet 1 TV	F	3839	3840 Eng	55014		
			Green TV	F	4095	4096 Eng	55015		
			NTV Ghana	F	4351	4352 Eng	55016		
			Sagani TV	F	4863	4864 Eng	55018		
			Amen TV Ghana	F	5119	5120 Eng	55019		
			Taabea TV	W F	5375	5376 Eng	55020		
			Jericho TV		5631	5632 Eng	55021		
			Kiss TV		5887	5888 Eng	55022		
			Ogyaba TV	F	6143	6144 Eng	55023		
			Thunder TV	F	6399	6400 Eng	55024		
			Brighter TV	F	6655	6656 Eng	55025		
			Power TV	F	6911	6912 Eng	55026		
			-R- Mogpa Radio			7680 Eng	55050		
			-R- IRN Radio			7712 Eng	55051		
98 Hendrik 21.11.2019	11597 V DVB-S/MPEG-2	22000 5/6	Sky UK Sky Sports Racing	W			2-2098	2G Europe	NOW XMAS on NOW 80s left
			Studio 66 TV		2329	2330 Eng	53505		
			Channels 24	W	2315	2316 Eng	53510		
			Meet the B*b's		2324	2327 Eng	53516		
			The Jewellery Channel	W F	2320	2321 Eng	53520		
			GN TV		2305	2306 Eng	53525		
			Thane		2360	2361 Eng	53530		
			Gospel Channel UK	W F	2315	2316 Eng	53535		
			Craft Extra	W	2322	2323 Eng	53540		
			Hum Masala	W F	2331	2332 Urd	53546		
			NOW XMAS	W	2338	2339 Eng	53550		
			Ideal Extra		2325	2326 Eng	53555		
			Takbeer TV	W	2334	2335 Eng	53558		
			SBN International	W	2310	2311 Eng 2312 Spa	53560		
			Get Lucky TV (Time Sharing)		2314	2313 Eng	53575		
			Psychic Today (Time Sharing)	W	2314	2313 Eng	53576		
			Sky UK	W			2-2099		
				-			55400		

99 Hendrik 30.07.2019	11612 H DVB-S2/8PSK MPEG-4	23000 2/3	Iran International HD	W F	2308	2309 Per	50400 MPEG-4/HD	2G Europe	
			LoveWorld HD	W	2310	2311 Eng	55405 MPEG-4/HD		
			Al Jazeera English HD	W F	2307	2305 Eng 2306 Eng	55415 MPEG-4/HD		
99 M.Can 08.11.2019	11627 V DVB-S/MPEG-2	22000 5/6	Sky UK MTV UK - MTV UK +1 - MTV Base UK MTV Hits UK - VH-1 Christmas - VH1 UK MTV Ireland - MTV XMAS - MTV OMG Club MTV - Comedy Central Extra UK MTV Music UK - MTV Music +1	W			VideoGuard 2-2100	2G Europe	VH-1 Christmas on MTV Rocks left MTV XMAS on MTV Classic left
101 Hendrik 12.09.2019	11641 H DVB-S2/8PSK MPEG-4	23000 2/3	Sky UK Virgin Sport HD	W			VideoGuard 2-2101	2G Europe	Virgin Sport HD on
			unnamed HD		2305	2306 Eng	7100 MPEG-4/HD		Virgin Sport 2 HD left
522 Matie Yendu 27.09.2018	11635 V DVB-S2/QPSK MPEG-4	30000 5/6	SES	W				2F West Africa	Shelter TV on
			Shelter TV	F	255	256 Eng	55600		
			Horama TV	F	287	288 Eng	55601		
			Maranatha TV	F	319	320 Eng	55602		
			Honi TV	F	351	352 Eng	55603		
			Exel TV	F	383	384 Eng	55604		
			Nazareth TV	F	415	416 Ewe	55605		
			Sunshine TV Ghana	F	447	448 Eng	55606		
			High TV Ghana	F	478	480 Eng	55607		
			Starr TV	F	511	512 Eng	55608		
			CACI TV	F	543	544 Eng	55609		
			DTV1	F	607	608 Eng	55611		
			ATN	F	639	640 Eng	55612		
			Kantanka TV	W F	1202	1203 Eng	55613		
			Cosmopolitan TV	F	703	704 Eng	55614		
			OK TV	F	735	736 Eng	55615		
			Igwee TV	F	767	768 Eng	55616		
			Adinkra TV	F	799	700 Eng	55617		
			BOC TV	F	831	832 Eng	55618		
			Cash TV	F	863	864 Eng	55619		
			Bohyeba TV	F	895	896 Eng	55620		
			Great 1 TV	F	927	928 Eng	55621		
			Second Chance TV	F	959	960 Eng	55622		
			Okese TV	F	1023	1024 Eng	55624		
			Akwasi Awua TV	F	1087	1088 Eng	55626		
			Doctor Juses TV	F	1119	1120 Eng	55627		
			Bohye TV	F	1151	1152 Eng	55628		
			Nation TV	F	1215	1216 Eng	55630		
102 Hendrik 03.10.2019	11656 V DVB-S/MPEG-2 DVB-S/MPEG-4	22000 5/6	Sky UK Bangers - TV X - 40+ TVXp*rnstars - Zee TV UK - FreeSports	W			VideoGuard 2-2102	2G Europe	
			DirtyTalk		2307	2308 Eng	54053		
			Cruise		2317	2318 Eng	54056		
			SmartShop		2315	2316 Eng	54057		
			Akaal Channel	W	2305	2306 Pan	54060		
			Abu Dhabi TV Europe	W F	2325	2326 Ara	54062		
			Aastha TV UK	W F	2333	2334 Eng	54064		
			PTC Punjabi	W F	2335	2336 Pan	54065		
103 Hendrik 21.11.2019	11672 H DVB-S2/8PSK MPEG-4	23000 2/3	Sky UK	W			2-2103	2G Europe	Iran Int HD LoveWorld HD on
			Ideal World HD	W	2305	2306 Eng	50240 MPEG-4/HD		
			Create & Craft HD	W	2307	2308 Eng	50245 MPEG-4/HD		
			Iran International HD	W F	2309	2310 Per	50250 MPEG-4/HD		
			LoveWorld HD	W	2311	2312 Eng	50255 MPEG-4/HD		
			CNN International Europe HD	W	2324	2325 Eng 2326 Eng	50290 MPEG-4/HD		
523 Matie Yendu 23.07.2018	11675 H DVB-S2/QPSK MPEG-2 MPEG-4	30000 5/6	SES	W				2F West Africa	
			SES promo	W	255	256			
			Label TV	F	1023	1024 Fre			
			SES promo Payout	W	3071	3072			
			Pasdan TV	F	3583	3584 Eng			
			Galaxy TV	W F	4863	4864 Eng			
			ECWA TV	W F	1535	1536 Eng	55105		
			Quest TV Nigeria	W F	3839	3840 Eng	55114		

			Core TV News	W F	4607	4608 Eng	55117		
104 Hendrik 18.10.2018	11686 V DVB-S2/8PSK MPEG-4	23000 2/3	Sky UK Colors HD - BoxNation HD	W			VideoGuard 2-2104	2G Europe	TV Record HD on
			Daystar HD	W	2309	2310 Eng	55305 MPEG-4/HD		
			TV Record HD	W	2311	2307 Por	55310 MPEG-4/HD		
			Bloomberg TV Europe HD	W	2335	2337 Eng	55392 MPEG-4/HD		
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1 Hendrik 29.06.2017	11720 H DVB-S2/QPSK MPEG-4							2F Europe	Sky UK package left
2 Hendrik 06.08.2019	11739 V DVB-S2/8PSK HEVC							2F Europe	SES UHD Demo Channel left again
3 Hendrik 12.07.2018	11758 H DVB-S2/QPSK MPEG-4 HEVC	29500 8/9	Sky UK Sky UHD - Sky UHD 1 - Star Gold UK HD PVOD Anytime HD	W			VideoGuard 2-2003	2E Europe	
4 EnoSat 04.02.2014	11778 V DVB-S/MPEG-2	27500 2/3	Sky UK					2E Europe	
5 Hendrik 18.11.2019	11798 H DVB-S2/QPSK MPEG-4	29500 8/9	Sky UK Nick Jr UK HD - Sky Sports F'ball HD Sky Sports Golf HD - Sky Sports News HD Sky Sports PL HD - Sky Sports MainEv HD	W			VideoGuard 2-2039	2E Europe	new
6 Hendrik 07.12.2015	11817 V DVB-S/MPEG-2							2E Europe	Sky UK package left
7 Hendrik 01.10.2019	11836 H DVB-S/MPEG-2	27500 5/6	Sky UK Crime + Investigation UK - Zee Cinema UK Crime + Investigation UK +1 - E! UK H2 UK - History UK - History UK +1 National Geographic UK - Nat Geo Wild UK National Geographic UK +1 - Sky Crime +1 Universal Channel UK - Syfy UK Universal Channel UK +1 - Syfy UK +1	W			VideoGuard 2-2007	2E Europe	Sky Crime +1 on Real Lives +1 left
			Challenge UK +1	W	525	653 Eng	6026		
			Challenge UK	W	522	650 Eng 670 Eng	6031		
			Forces TV		521	649 Eng	6033		
8 Hendrik Tururu 07.03.2019	11856 V DVB-S2/QPSK MPEG-4	29500 8/9	Sky UK British Eurosport 1 HD - Nick Jr UK HD E4 UK HD - British Eurosport 2 HD Sky Sports Main Event HD - Sky One UK HD Sky Sports Arena UK HD	W			VideoGuard 2-2008	2E Europe	
9 Hendrik 16.10.2017	11876 H DVB-S/MPEG-2							2E Europe	Sky UK package left
10 Hendrik 26.09.2019	11895 V DVB-S/MPEG-2							2E Europe	Club MTV Comedy Extra UK MTV Music UK MTV Music +1 left
11 Hendrik 08.07.2019	11914 H DVB-S/MPEG-2	27500 5/6	Sky UK Sky Sports 5 UK - Disney Channel UK Disney XD UK - Disney Junior UK Disney XD UK +1 - Disney Channel UK +1 Disney Junior UK +1 - Oireachtas TV Sky Sports 3 - Baby TV Europe TG 4 - RTÉ One - RTÉ Two - MUTV RTÉ One +1 - RTÉ News Now - RTÉ Jr	W			VideoGuard 2-2011	2E Europe	
			-R- RTÉ Radio 1	W		2309 Eng	5544		
			-R- RTE Radio 2 FM	W		2340 Eng	5545		
			-R- RTÉ Lyric FM	W		2341 Eng	5546		
			-R- RTÉ Raidió na Gaeltachta	W		2353 Eng	5547		
12 M.Can 01.11.2019	11934 V DVB-S/MPEG-2	27500 5/6	Sky UK Sky Movies Action & Adventure - PVOD Anytime Sky Movies Comedy - GINX eSportsTV Sky Movies Sci-Fi & Horror - Sky Crime Sky Movies Star Wars - Sky Movies Disney Sky Movies Family - Sky Movies Premiere Sky Movies Premiere +1 Sky Movies Thriller - Sky Movies Westerns Sky Movies Christmas	W			VideoGuard 2-2012	2E Europe	Christmas on Drama & Romance left
			Challenge Ireland	W	524	653 Eng	6160		
			Sky / Sky Intro		523	651 Eng	4505 4515 4525		
			-R- Chl Line-up			652 Eng	5007		
13 Hendrik Björn 05.11.2018	11953 H DVB-S/MPEG-2	27500 2/3	test carrier					2E Europe	
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14 M.Can William-1 27.09.2019	11973 V DVB-S2/8PSK HEVC	31000 9/10	SES	W			1-2014	2E Europe	SES 8K back on
			SES 8K	W	336	337 Eng	7249 HEVC/8K/UHD		
15 Hendrik	11992 H							2E	Sky UK package

15 M.Can 26.08.2015	DVB-S/MPEG-2							Europe	left
16 M.Can 04.09.2019	12012 V DVB-S2/8PSK MPEG-4	27500 2/3	Sky UK Sky Movies Family HD - Sky Movies Premiere HD Sky Movies Thriller HD Sky Movies Star Wars HD Disney Channel UK HD - STV Tayside HD Cartoon Network UK HD - STV North HD	W			VideoGuard 2-2016	2E Europe	Star Wars on DC Heroes left
			CNBC UK HD	W	519	666 Eng	3902 MPEG-4/HD		
			-R- Get Sky Products			2312 Eng	8459		
17 Hendrik 28.10.2016	12032 H DVB-S/MPEG-2							2E Europe	QVC UK QVC Extra QVC Style QVC Beauty left
18 Hendrik 13.06.2017	12051 V DVB-S/MPEG-2 DVB-S/MPEG-4							2E Europe	Sky UK package left
19 Hendrik 07.11.2019	12070 H DVB-S/MPEG-2	27500 5/6	Sky UK Sky Sports Active Lo 1/2/3/4/5/6/7/8/9 Virgin Two - Viceland UK - Virgin One +1 Girl Next Door - ElectricBLUE Viewers' Wives - Movies 24 - Movies 24+	W			VideoGuard 2-2019	2E Europe	
20 Hendrik 04.06.2019	12090 V DVB-S2/8PSK MPEG-4	27500 2/3	Sky UK National Geographic HD UK Comedy Central UK HD - Nickelodeon UK HD MTV UK HD - Alibi UK HD - GOLD HD Disney XD UK HD - STV East HD	W			VideoGuard 2-2020	2E Europe	
21 Hendrik 07.11.2019	12110 H DVB-S/MPEG-2	27500 5/6	Sky UK Sky Sports F1 - Sky One +1 UK Sky Sports 2 Ireland - Sky Sports 1 UK Sky Arts HD (SD) - Sky Movies Hits Sky Living HD Ireland - Sky Living +1 Sky Sports Action - Virgin One Sky Sports Premier League UK - Fox UK - Sky 1 Sky Sports Arena UK - Sky Sports Arena Ireland Universal Channel Ireland - E! Ireland	W			VideoGuard 2-2021	2F Europe	
22 Björn 06.12.2019	12129 V DVB-S/MPEG-2	27500 5/6	Sky UK Eden - Eden +1 - Gold UK - Gold UK +1 W UK - W UK +1 - Alibi UK - Alibi UK +1 Dave ja vu - Dave Ireland	W			VideoGuard 2-2022	2F UK	Eden +1 Gold UK +1 W UK +1 Alibi UK +1 Dave ja vu Dave Ireland on
			Yesterday	W	2332	2334 Eng 2336 Eng	6505		
			Dave UK	W	2308	2312 Eng 2314 Eng	6506		
			Drama UK	W	2372	2373 Eng 2374 Eng	6522		
			Drama Ireland	W	2348	2349 Eng	25111		
			Really Ireland	W	2352	2353 Eng	25112		
			Drama UK +1	W	2380	2381 Eng	25113		
23 Hendrik 07.11.2019	12148 H DVB-S/MPEG-2	27500 5/6	Sky UK Sky Sports 4/1 in Pubs - FX UK +1 Sky Atlantic Ireland - Sky Sports News Ireland Sky Sports 1 Ireland - British Eurosport 2 Sky Sports Golf UK - British Eurosport Sky Sports Golf Ireland- Sky Sports Box Office Sky Atlantic UK - Sky Sports News HQ UK (SD) Sky Living HD UK +1 (SD) - Sky Atlantic UK +1	W			VideoGuard 2-2023	2F Europe	
			Pick Ireland		528	659 Eng	5530		
			Sky News Arabia	W	518	646 Ara	5532		
24 M.Can 01.11.2019	12168 V DVB-S2/8PSK MPEG-4	27500 2/3	Sky UK Sky Movies Christmas HD Sky Movies Sci-Fi & Horror HD - TLC UK HD Sky Movies Comedy HD - Boomerang UK HD Sky Movies Disney HD - Sky Movies Westerns HD Animal Planet Europe HD - W HD	W			VideoGuard 2-2024	2F Europe	Christmas HD on Drama & Romance left
25 Hendrik 24.10.2019	12188 H DVB-S2/8PSK MPEG-4	27500 2/3	Sky UK Sky Living HD UK - Sky Atlantic HD UK Sky 1 HD UK - Sky News HD - Sky Arts HD Discovery Channel UK HD - Fox UK HD Sky Movies Hits HD Sky Sports Box Office HD - BT Sport Box Office HD	W			VideoGuard 2-2025	2F Europe	Sky Brexit- Free left
26 Hendrik 01.10.2019	12207 V DVB-S/MPEG-2	27500 5/6	Sky UK Sky Sport 5 Ireland - Sky Sports Ashes Sky Sports 4 - Sky Sports Mix - Virgin Three Sky One Ireland - Sky Two Ireland Sky Two UK - Sky Living UK Sky Sports Racing Ireland - Lifetime UK	W			VideoGuard 2-2026	2F Europe	MTV Beats left
			Sky News UK	W	512	640 Eng	4704		
			Sky News Ireland	W	513	641 Eng	4706		
			Pick UK		518	646 Eng 666 Eng	4751		
			Together	W	521	649 Eng	4753		
			Pick UK +1		516	644 Eng 664 Eng	5107		
			-R- Sky News Radio	W		650 Eng			
27 Hendrik 07.11.2019	12226 H DVB-S2/8PSK MPEG-4	27500 2/3	Sky UK Premier Sports 1 HD - Virgin One HD Premier Sports 2 HD - Virgin Two HD Sky Crime HD	W			VideoGuard 2-2027	2F Europe	Sky Brexit- Free HD left
28 Tururu Hendrik 10.06.2019	12246 V DVB-S2/8PSK MPEG-4	27500 2/3	Sky UK Sky Movies Action & Adventure HD Nat Geo Wild HD Europe - History HD Europe Crime + Investigation HD UK - SET Asia HD RTÉ One HD - RTÉ Two HD - Star Plus UK HD Disney Junior HD UK	W			VideoGuard 2-2028	2F Europe	

29 Hendrik 21.08.2019	12266 H DVB-S2/QPSK MPEG-4	29500 8/9	Sky UK More 4 UK HD - Film 4 UK HD - MUTV Sky Sports 1 HD - Sky Sports News HQ HD Sky Sports Golf HD - Sky Sports 5 HD Sky Sports in Pubs HD - Sky Sports PL HD Sky Sports Football HD	W			VideoGuard 2-2029	2F Europe	Sky Sports F'ball HD on
30 Hendrik 19.12.2017	12285 V DVB-S2/QPSK MPEG-4 HEVC							2F Europe	Sky package left
31 Hendrik 29.11.2019	12304 H DVB-S2/8PSK MPEG-4							2F Europe	Sky UK package left
32 Hendrik 08.01.2019	12324 V DVB-S2/8PSK MPEG-4 HEVC	27500 2/3	Sky UK Sky UHD 2 - Sky Sports Racing HD UK Sky Intro HD	W			VideoGuard 2-2032 1002 MPEG-4/HD	2F Europe	
33 Hendrik 19.11.2019	12344 H DVB-S2/8PSK MPEG-4	27500 2/3	Sky UK PVID Anytime HD - Dave UK HD - EI UK HD Liverpool FC TV HD - Sony Max HD - TG 4 HD Universal Channel UK HD - Syfy UK HD	W			VideoGuard 2-2031	2E Europe	new SR new FEC new mode new
34 Tururu 01.08.2019	12363 V DVB-S2/QPSK MPEG-4	29500 8/9	Sky UK Sky Sports Action HD - Sky Sports F1 HD Sky News HD - Sky Sports News HQ HD Sky Sports Ashes HD - Sky Sports Mix HD	W			VideoGuard 2-2034	2E Europe	Sky Sports Ashes HD on Sky Sports Cricket HD left
35 M.Can 29.01.2019	12382 H DVB-S/MPEG-2	27500 5/6	Sky UK Discovery Channel UK - Animal Planet Europe TLC UK - Discovery Turbo UK Discovery Science Channel UK Discovery History Travel Channel UK DMAX UK +1 Travel Channel UK +1 Food Network UK Food Network UK +1 DMAX UK Quest Red +1 Quest +1 Quest Quest Red	W W W W W W W W W W			VideoGuard 2-2035 2394 2395 Eng 2904 2389 2390 Eng 2905 2397 2398 Eng 2908 2352 2353 Eng 2910 2319 2320 Eng 2912 2384 2385 Eng 2916 2345 2346 Eng 2351 Eng 6211 Eng Eng Eng	2F UK	
37 Björn 15.07.2019	12422 H DVB-S/MPEG-2 DVB-S/MPEG-4							2F UK	BBC Red Button all left
38 Hendrik 14.11.2016	12441 V DVB-S2/QPSK HEVC	29500 8/9	SES Astra Ultra HD Demo SES UHD Demo Channel	W W F W F			2-2038 7400 7401 HEVC/4K/UHD 7402 HEVC/4K/UHD	2E Europe	
39 Hendrik 29.11.2019	12460 H DVB-S2/QPSK MPEG-4							2E Europe	Sky UK package left
40 Satesco Yulius 07.07.2018	12480 V DVB-S2/16APSK							2E Europe	8K test left
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73 Hendrik Tururu 08.07.2019	12509 H DVB-S2/8PSK	3630 2/3 4610 3/4 7120 3/4 9600 3/4	feed					2F European	
73 Hendrik 04.08.2019	12512 H DVB-S2/8PSK	14400 3/4 15000 5/6	feed					2F European	
73 Hendrik 11.08.2016	12515 H DVB-S2/QPSK	7500 3/5	MTA feed					2F European	
73 William-1 26.08.2016	12518 H DVB-S2/8PSK	4800 3/4	feed					2F European	
74 William-1 EnoSat 12.07.2015	12522 V DVB-S2/16APSK ACM/VCM	22500 9/10	Data					2F European	
			Multi TV Joy Prime Adom TV Joy News Fire TV Ghana Cine Plus Sweet TV OB TV Pent TV Zulofon TV	W F F F F F F F F F					

526 Matie Yendu 27.09.2018	12525 V DVB-S2/QPSK MPEG-4	30000 5/6	Lyloren TV	F	1122	1123 Eng	112	2F West Africa	
			GH One	F	1122	1123 Eng	112		
			Aseda TV	F	1142	1143 Eng	114		
			Ghana TV	WF	1152	1153 Eng	115		
			Cross TV	F	1172	1173 Eng	117		
			Zoe TV	F	1182	1183 Eng	118		
			TV 3 Ghana	WF	1192	1193 Eng	119		
			ZTV Ghana	F	1202	1203 Eng	120		
			Precious TV	WF	1232	1233 Eng	123		
			Royal TV Ghana	WF	1242	1243 Eng	124		
			Kessben TV	WF	1262	1263 Eng	126		
			Angel TV Ghana	F	1272	1273 Eng	127		
			Elijah TV	F	1282	1283 Eng	128		
			TV XYZ	WF	1302	1303 Eng	130		
			Rhema TV Ghana	F	1312	1313 Eng	131		
			-R- Joy FM	W		2013 Eng	201		
			-R- Asempa 94.7 FM	W		2023 Eng	202		
			-R- Luv FM 99.5 FM	W		2033 Eng	203		
			-R- Adom FM 106.3 FM	W		2043 Eng	204		
			-R- Hitz FM 103.9 FM Accra	W		2053 Eng	205		
			-R- Nhyira FM 104.5 FM	W		2063 Eng	206		
			-R- Peace FM 104.3 FM	W		2073 Eng	207		
			-R- Radio Ghana			2083 Eng	208		
			-R- City FM			2093 Eng	209		
			-R- Atlantis Radio 87.9 FM	W		2103 Eng	210		
			-R- Kessben FM 93.3 FM	W		2113 Eng	211		
			-R- Atinka 104.7 FM	W		2123 Eng	212		
			-R- Angel FM			2153 Eng	215		
			-R- Mecury FM			2173 Eng	217		
			-R- Fox FM			2183 Eng	218		
75 Hendrik 26.05.2019	12535 H DVB-S2/8PSK	4800 3/4	feed					2F European	
75 Hendrik 12.07.2019	12538 H DVB-S2/8PSK	7120 3/4 7200 3/4 9876 3/4	feed					2F European	
75 Hendrik Tururu 13.04.2019	12541 H DVB-S2/8PSK	3630 2/3 4800 3/4 14000 3/4 14250 3/4	feed					2F European	
76 Hendrik Satesco William-1 24.10.2019	12541 V DVB-S2/8PSK	2500 2/3 3600 3/4 3750 2/3 4800 3/4	feed					2F European	
76 Zaza 09.11.2019	12541 V DVB-S2/16APSK	3750 3/4 5000 2/3	feed					2F European	
76 Hendrik 01.09.2019	12543 V DVB-S2/8PSK	3600 3/4 4800 3/4 5000 2/3 7200 3/4	feed					2F European	
76 Hendrik 03.10.2018	12546 V DVB-S2/8PSK	3600 3/4	feed					2F European	
75 Hendrik Satesco Stanley_Cassidy 15.10.2018	12547 H DVB-S2/QPSK DVB-S2/8PSK	7000 3/4 7120 3/4 7200 2/3 7500 3/5	feed					2F European	
76 Zaza 27.10.2019	12553 V DVB-S2/8PSK	7200 3/4	feed					2F European	
77 Hendrik 22.03.2019	12553 H DVB-S2/8PSK	9876 3/4	feed					2F European	
77 Hendrik 18.07.2018	12555 H DVB-S2/8PSK	4610 3/4	feed					2F European	
77 Edumichi 18.05.2018	12560 H DVB-S2/8PSK	4800 3/4	feed					2F European	
			Play				Nagravision		
			Colors	W	5012	5013 Hin	302		
			1 Africa		6623	6624	304		
			FashionBox HD	W	5062	5063 Eng	307		
			KBS World	W	5072	5073 Kor	308		
			Tributes TV		5512	5113	312		
			WAP TV	W	5122	5123 Eng	313		
			Play +		5172	5173 Eng	318		
			Glitz Network		63	61 Eng	319		
			HFA TV		4732	4733 Eng	321		

527 Matie Yendu 27.09.2018	12565 H DVB-S2/8PSK MPEG-4	30000 2/3	Al Jazeera English	W	1032	1033 Eng	333	2F West Africa	
			DW English	W	1100	1101 Eng	341		
			TVC News Nigeria	W	5102	5103 Eng	343		
			Colors Rishtey Europe	W	5352	5353 Eng	349		
			1 Comedy		4744	4745	353		
			FilmBox Africa		6042	6043 Eng	355		
			FilmBox Arthouse	W	6052	6053 Eng	356		
			Azurfa		6092	6093 Hau	360		
			Yoruba Swaga		6182	6183 Yor	364		
			Mount Zion TV		6192	6193 Eng	365		
			Irawo		6172	6173 Yor	366		
			1 Music		5151	5152 Eng	401		
			Tiwa 'n' Tiwa		3072	3073 Yor	418		
			360TuneBox	W	3102	3103 Eng	421		
			VOTS		3112	3113	422		
			X2D		3162	3163 Eng	427		
			DocuBox HD	W	4092	4093 Eng	439		
			TVC Entertainment	W	7792	38 Eng	450		
			Silverbird TV	W	7912	7913 Eng	453		
			NTA	W	7962	7963 Eng	458		
			ACBN	W	4152	4153 Eng	460		
			Fix & Foxi	W	7052	7053 Eng	465		
			Gametoon	W	3041	3042 Eng	478		
			FightBox HD	W	4582	4583 Eng	478		
			Fast & FunBOX	W	4592	4593 Eng	479		
			Talent Sports		4682	4683 Eng	482		
			Aforevo	W	4682	4683 Fre	489		
			Lagos TV Nigeria	W F	7812	7813 Eng	491		
			Dove TV Nigeria	W F	7412	7413 Eng	501		
			Gof TV	F	7432	7433 Eng	503		
			Xtra I		7452	7453 Eng	505		
			Peace TV English	W	7492	7493 Eng	509		
			-R- 102.3 Max FM	W		4043 Eng	434		
78 Hendrik 22.03.2018	12573 V DVB-S2/8PSK	3600 3/4	feed					2F European	
77 EnoSat 04.05.2019	12574 H DVB-S2/16APSK	21660 3/4	Data					2F European	
78 Hendrik 08.06.2017	12576 V DVB-S/QPSK	3400 3/4	feed					2F European	
78 Hendrik 08.06.2017	12588 V DVB-S2/QPSK	3200 5/6	feed					2F European	
79 EnoSat 04.05.2019	12604 H DVB-S2/16APSK	21660 3/4	Data					2F European	
530 Nsubuga 12.12.2018	12605 V DVB-S2/QPSK MPEG-4	30000 Auto	One TV	W				2F West Africa	
			SES promo	W	255	256	55700		
			One TV HD	W F	287	288 Eng	55701 MPEG-4/HD		
			Insaaniyya TV	F	319	320 Eng	55702		
			Pio TV	F	351	352 Eng	55703		
			Care TV Ghana	W F	383	384 Eng	55704		
			Mawutor TV	F	415	416 Eng	55705		
			Hope Channel Ghana	F	447	448 Eng	55706		
			Soul TV	F	478	480 Eng	55707		
			Eno TV	F	511	512 Eng	55708		
			Dream TV Ghana	F	543	544 Eng	55709		
			Mispa TV	F	575	576 Eng	55710		
			Apple TV	F	607	608 Eng	55711		
			Major TV	F	639	640 Eng	55712		
			SBN TV		671	672 Eng	55713		
80 Prelli2 07.10.2018	12610 V DVB-S2/32APSK ACM	22000 3/4	Data					2F European	
81 Hendrik William-1 Satesco 09.09.2017	12625 H DVB-S2/QPSK DVB-S2/8PSK	4610 3/4 7120 3/4 7200 3/4 7500 5/6 9876 3/4	feed					2F European	
82 Hendrik 08.06.2017	12630 V DVB-S/QPSK	3400 3/4	feed					2F European	
82 Hendrik 21.12.2017	12630 V DVB-S2/8PSK	3600 3/4	feed					2F European	

82 Hendrik 28.09.2019	12633 V DVB-S2/QPSK DVB-S2/8PSK	7200 3/4 7230 3/4	feed					2F European	
81 Hendrik 13.04.2019	12635 H DVB-S2/8PSK	7120 3/4	feed					2F European	
82 Satesco Hendrik 06.03.2018	12645 V DVB-S2/8PSK	3600 3/4 9876 3/4	feed					2F European	
84 Satesco William-1 26.05.2017	12659 V DVB-S2/8PSK	2400 3/4 3600 3/4	feed					2F European	
84 Stanley_Cassidy Hendrik 11.12.2017	12662 V DVB-S2/8PSK	2400 3/4 4800 2/3 7200 3/4	feed					2F European	
84 Satesco 17.11.2017	12662 V DVB-S2/16APSK	2500 2/3 5000 2/3	feed					2F European	
83 EnoSat 04.05.2019	12663 H DVB-S2/8PSK	21660 2/3	Data					2F European	
84 Stanley_Cassidy William-1 26.05.2017	12665 V DVB-S2/8PSK	2400 3/4 3600 3/4	feed					2F European	
84 Hendrik 12.04.2017	12670 V DVB-S2/8PSK	7200 3/4	feed					2F European	
84 Hendrik 11.04.2017	12673 V DVB-S2/8PSK	4800 3/4	feed					2F European	
84 Bryce 26.11.2017	12678 V DVB-S2/8PSK	4800 2/3	feed					2F European	
534 Nsubuga 12.12.2018	12692 V DVB-S2/8PSK MPEG-4	1660 Auto	And TV	F	1012	1013 Fre	101	2F West Africa	
85 EnoSat 04.05.2019	12693 H DVB-S2/8PSK	21660 2/3	Data					2F European	
87 Zaza 28.11.2019	12723 H DVB-S2 ACM	15240 Auto	Data					2F European	

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FTA MPEG-2	FTA MPEG-4	FTA HEVC	FTA HD / UHD	Temporary FTA	Encrypted SD	Encrypted HD/UHD	Data	Feed
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